

# MATERIAL SAFETY DATA SHEET

NAPIM 11-7

DATE:

(For Printing Ink and Related Materials)

## Section I

MANUFACTURER'S NAME INDEPENDENT INK, INC.		EMERGENCY PHONE NO. 213 321-0181
STREET ADDRESS (No., City, State, Zip) 14705 S. Avalon Blvd. Gardena, California 90248		
PRODUCT CLASS Flexographic Ink	TRADE NAME Marking Ink	MANUFACTURERS CODE #547

## Section II — HAZARDOUS INGREDIENTS

Inks of this class contain volatile organic solvents identified as:

Ethyl Alcohol	18.5%
Isop: Acetate	2. %
Butyl Celloslve	12. %
Butanol	9. %

This mixture contains no other ingredients known to retain hazardous properties or which are defined as hazardous by OSHA

## Section III — PHYSICAL DATA

BOILING RANGE	F° 170-340° F.	TYPE OF ODOR Solvent	
VAPOR DENSITY	HEAVIER (X ) LIGHTER ( ) vs. AIR	EVAPORATION RATE vs. <del>FASTER</del> Butyl Acetate	FASTER SLOWER X
LIQUID DENSITY	HEAVIER ( X ) LIGHTER ( ) vs. WATER	PERCENT VOLATILE WT.	40-50%
APPEARANCE	Colored liquid		

## Section IV - FIRE & EXPLOSION DATA

FLASH POINT CATEGORY (NFPA) OSHA	Class 1B	LOWEST FLASH POINT	41° F	LEL	1.1
EXTINGUISHING MEDIA: Dry Chemical, Foam, or CO <sub>2</sub>					
SPECIAL FIRE FIGHTING PROCEDURE: Avoid prolonged breathing of fumes. Use water to keep closed containers cool.					
UNUSUAL FIRE & EXPLOSION HAZARDS Vapors may ignite explosively. Vapors may spread long distances. Exposure of closed containers to excess heat during fire may cause disruptive pressur					

## Section V — HEALTH HAZARD DATA

### THRESHOLD LIMIT VALUE

Ethyl Alcohol	1000 PPM
Isop. Acetate	200 PPM
Butyl Cellosolve	50 PPM
Butanol	100 PPM

EFFECTS OF OVEREXPOSURE: Prolonged breathing of vapors can cause nausea and/or narcosis. Skin contact may cause irritation due to de-fatting action of solvent. Eye contact may cause irritation.

EMERGENCY FIRST AID: For narcosis - remove to fresh air. Eye contact - flush with plenty of water. If irritation persists, call physician.

## Section VI — REACTIVITY DATA

### PRODUCT STABILITY

STABLE

X

UNSTABLE

### CONDITIONS TO AVOID

Avoid contact with strong acids, alkalies, or oxidizers.

## Section VII — SPILL OR LEAK PROCEDURES

### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition.  
Ventilate area. Remove by using suitable inert absorbing material.

### WASTE DISPOSAL METHOD

In accordance with applicable local, state and federal regulation.

## Section VIII — SPECIAL PROTECTION INFORMATION

### VENTILATION

General ventilation, with a minimum rate of not less than one (1) cubic foot per minute per square foot of solid area. To include all floor areas or pits where flammable vapors may collect.

### PROTECTIVE EQUIPMENT; RESPIRATORY, EYE, ETC.

Suitable eye protective equipment should be available to avoid accidental splashing into eyes. Gloves should be worn where prolonged contact may occur.

## Section IX - SPECIAL PRECAUTIONS

### Storage & Handling

Keep containers closed when not in use. Keep away from open flame or excessive heat.